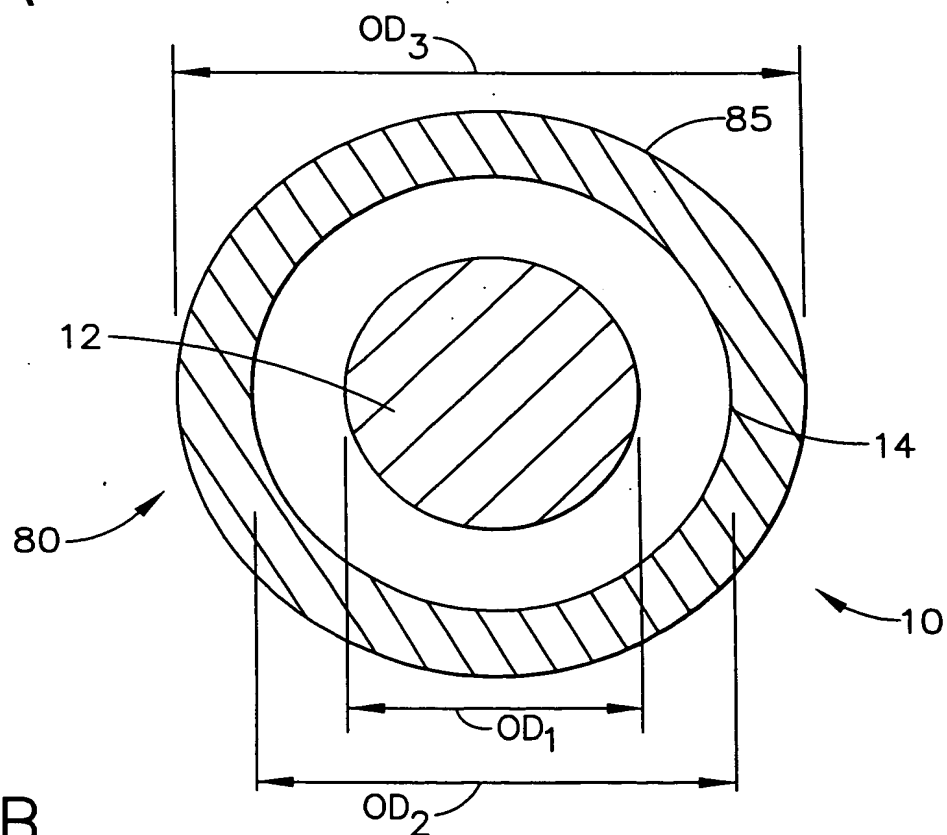
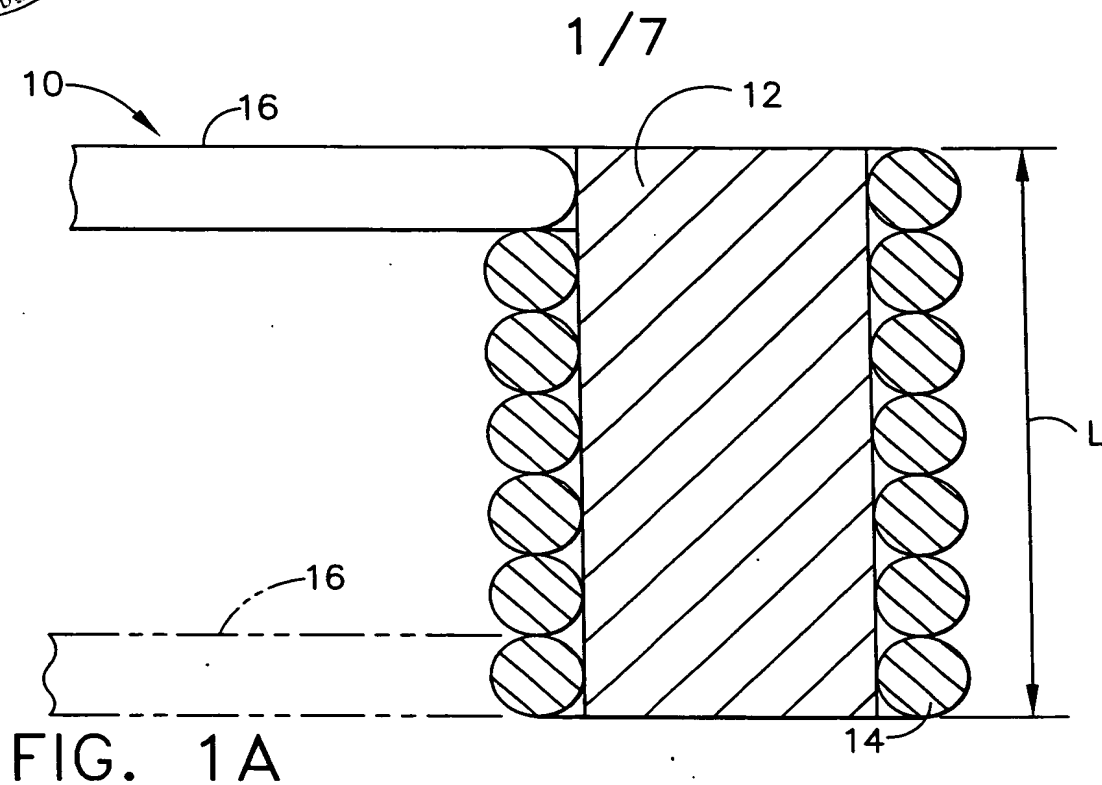


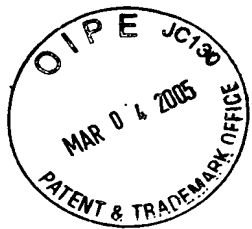
MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218





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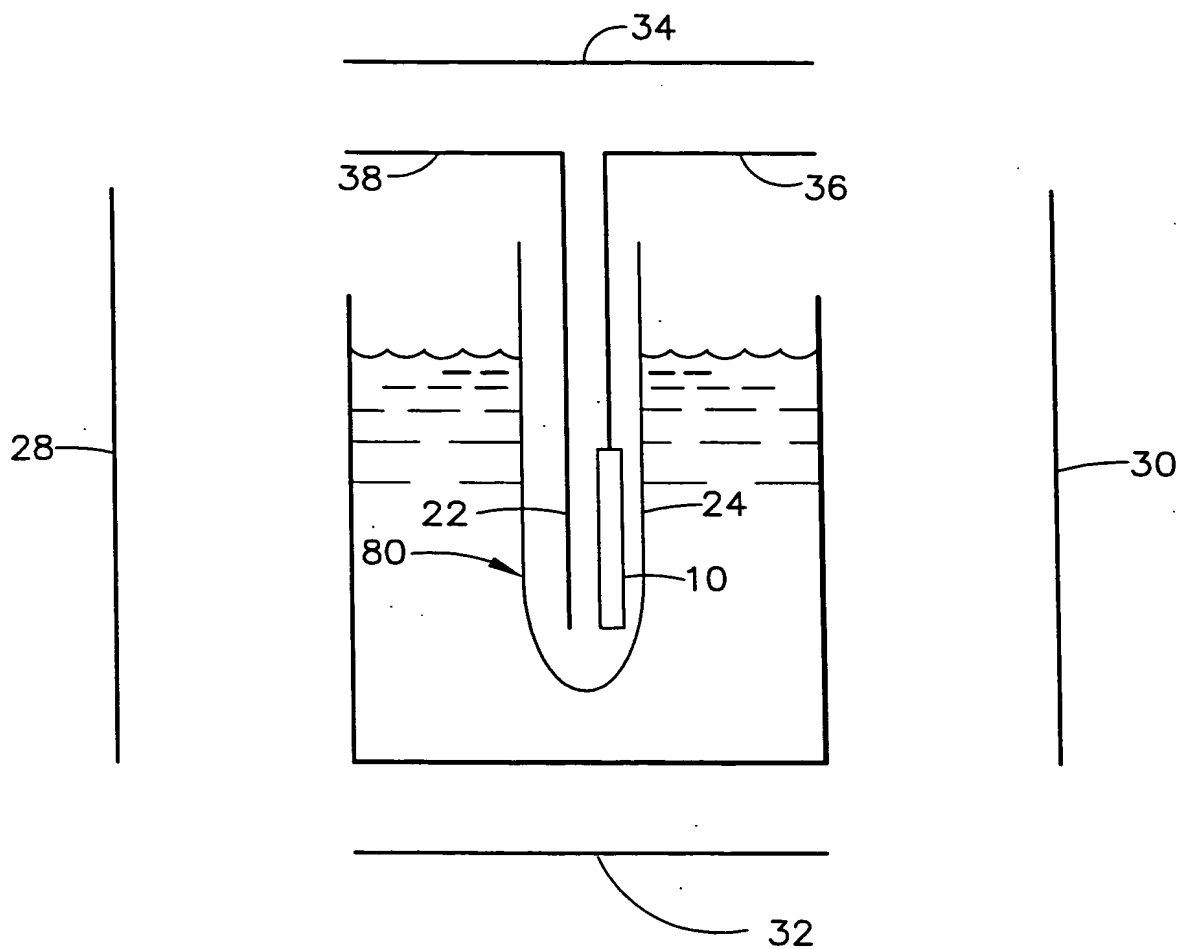
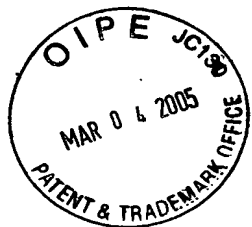


FIG. 2



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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REGRESSING HEAT EXPERIMENT SENSOR 2

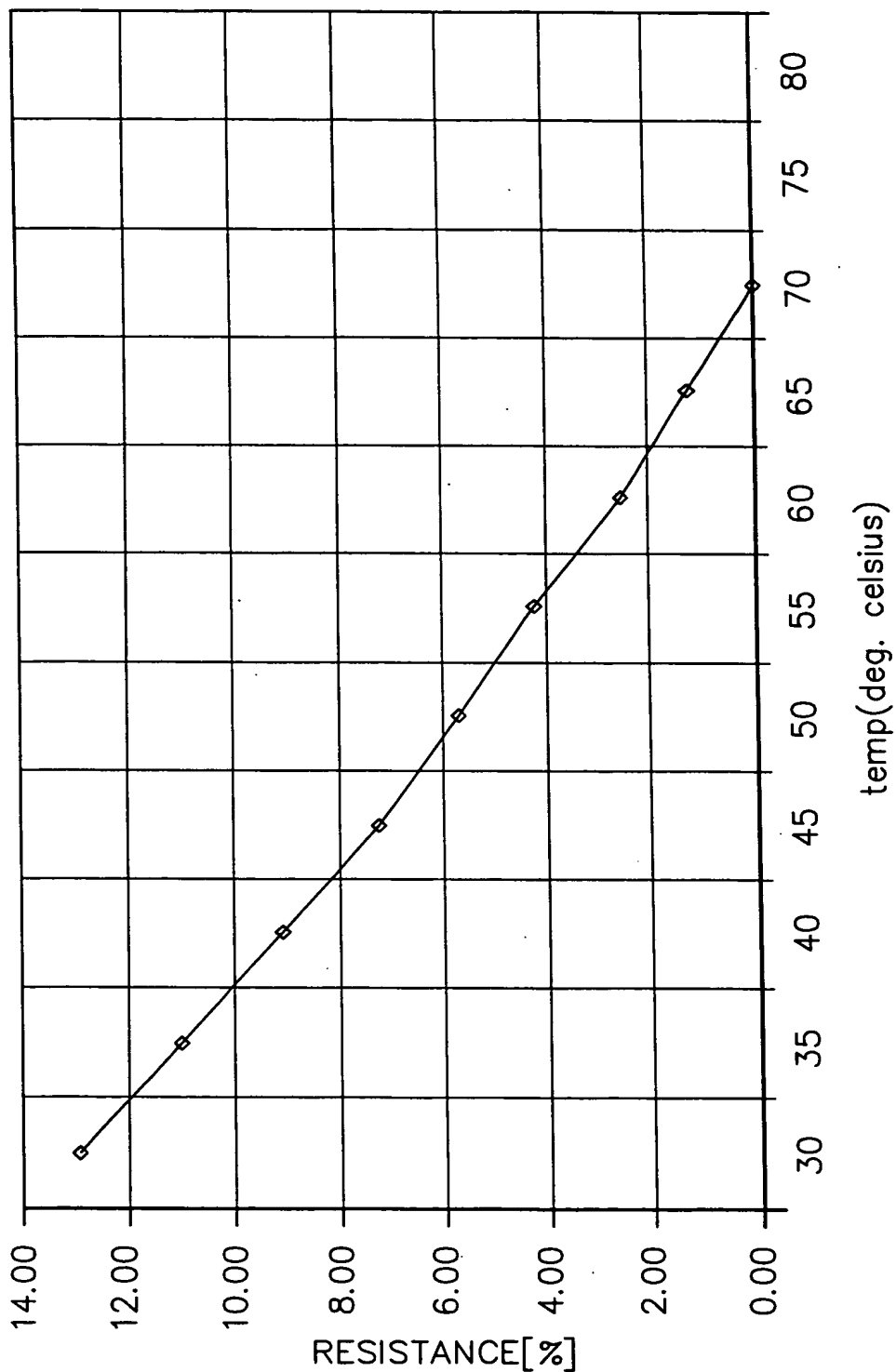
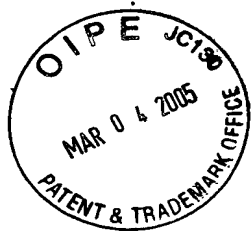


FIG. 3A



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

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REGRESSING HEAT EXPERIMENT SENSOR 2

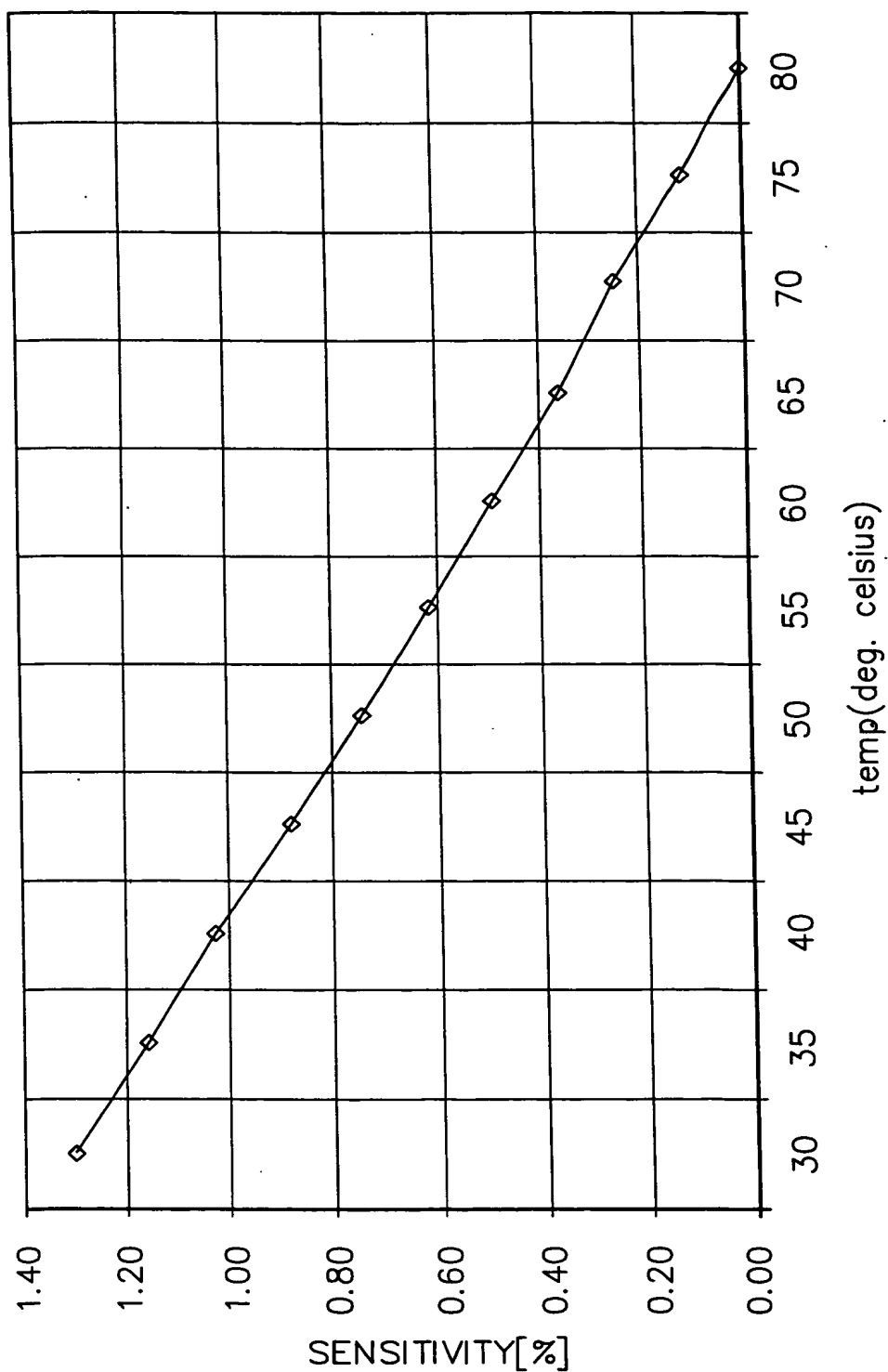


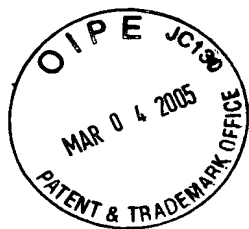
FIG. 3B

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218



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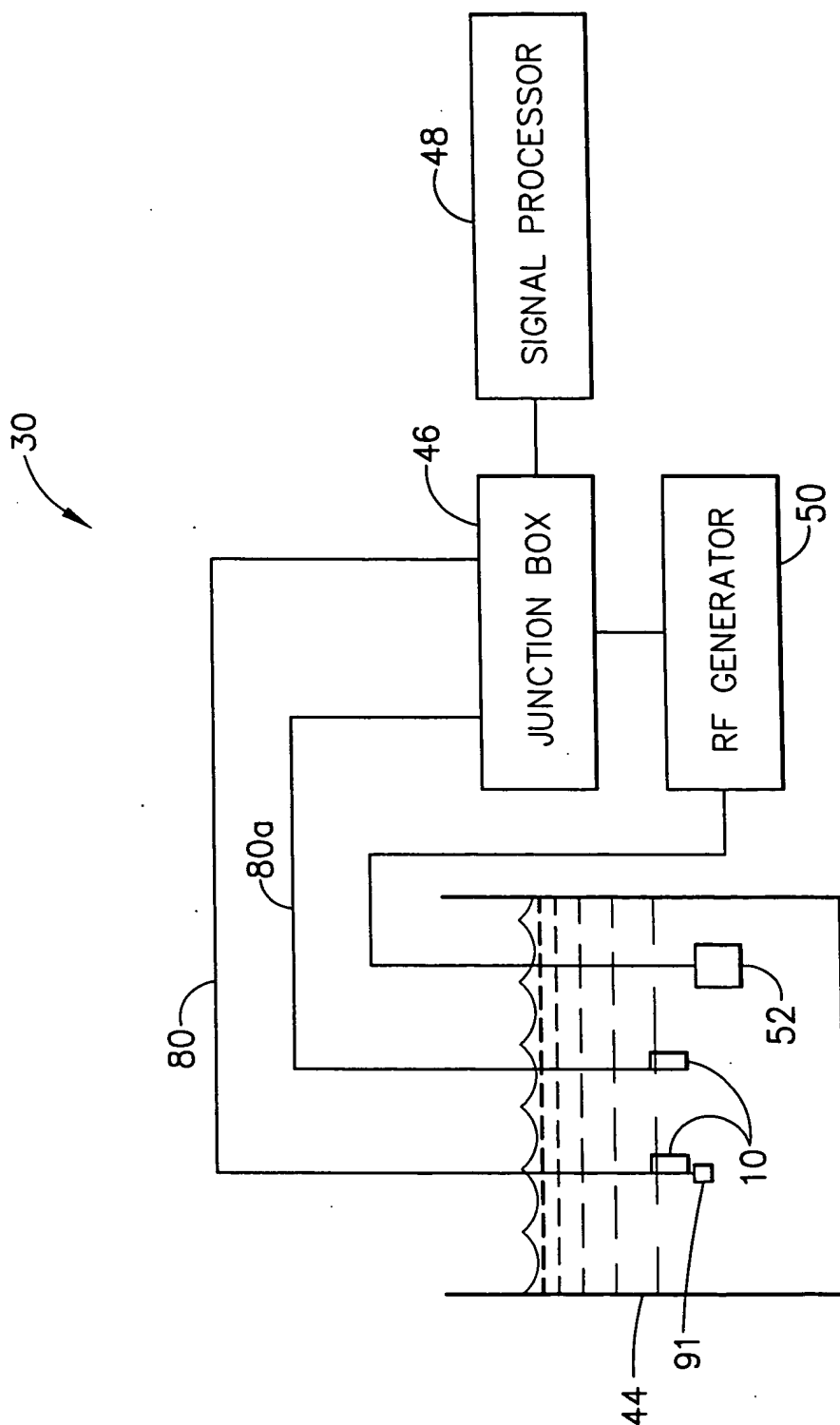


FIG. 4



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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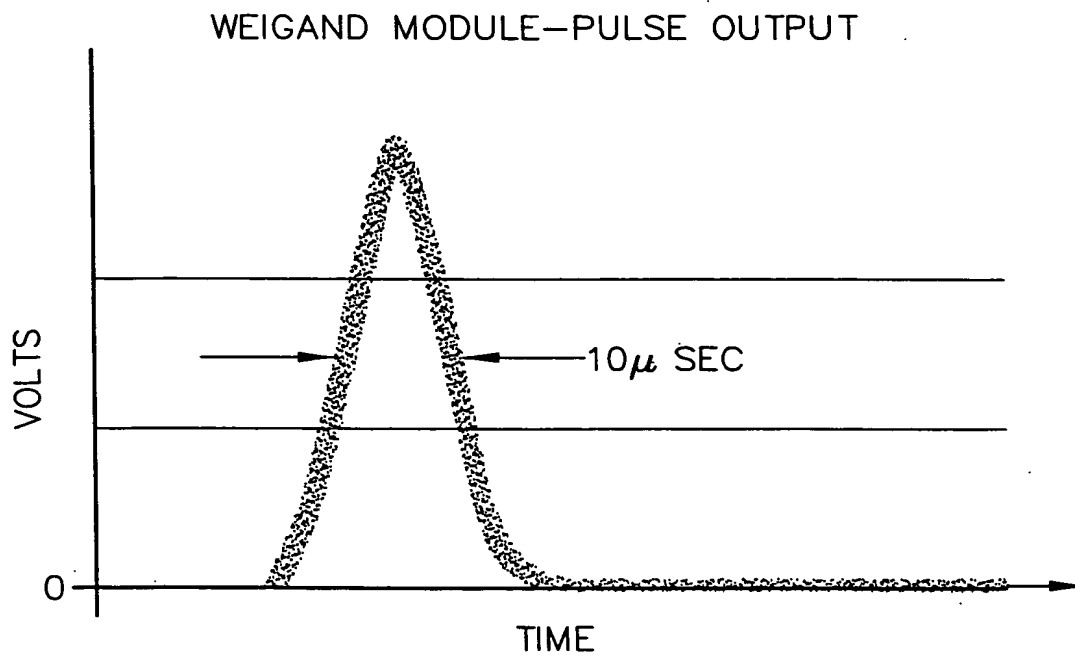


FIG. 5



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES
 INVENTOR: ASSAF GOVARI
 SN: 09/882,125; BIO-121
 ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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REGRESSING HEAT EXPERIMENT

	1		2		3		4	
	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance
30	2.6290	1.39	176.30	12.59	2.3925	1.30	165.20	12.89
35	2.6327	1.25	178.90	10.96	2.3958	1.18	168.00	11.01
40	2.6356	1.13	181.80	9.19	2.3990	1.03	171.00	9.06
45	2.6390	1.00	184.40	7.65	2.4025	0.86	173.90	7.25
50	2.6419	0.89	187.40	5.92	2.4057	0.74	176.40	5.73
55	2.6457	0.75	190.40	4.25	2.4087	0.62	178.90	4.25
60	2.6489	0.63	192.80	2.96	2.4116	0.50	181.80	2.59
65	2.6519	0.51	195.80	1.38	2.4148	0.36	184.30	1.19
70	2.6567	0.37	198.50	0.00	2.4176	0.25	186.50	0.00
75	2.6599	0.21			2.4207	0.12		
80	2.6555	0.00			2.4236	0.00		
slope	-0.0266		-0.3165		-0.0250		-0.3233	
					-0.0289		-0.3305	
							-0.0254	
								-0.3279

	5		6		7		8	
	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance
30	3.3480	1.00	235.7	12.16	2.4057	1.25	167.4	13.02
35	3.3506	0.92	239.3	10.49	2.4061	1.15	169.6	11.56
40	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06
45	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30
50	3.3605	0.62	250.9	5.38	2.4157	0.79	177.3	6.71
55	3.3642	0.51	254.4	3.93	2.4196	0.66	179.6	5.35
60	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84
65	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49
70	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23
75	3.3780	0.10	267.9		2.4326	0.13	189.2	0.00
80	3.3815	0.00			2.4358	0.00		
slope	-0.205		-0.3124		-0.0253		-0.2934	
					-0.0266		-0.5271	
							-0.0219	
								-0.3069

FIG. 6